

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-009359**Date Inspected:** 02-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Jia**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG COMPONENT**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance(QA) Inspector, Subhasis Bera was present during the times noted above for observations relative to the work being performed.

In process Inspection

Trial Assembly Yard

This QA Inspector observed the following work in progress:

SMAW welding in the 4F position of weld joints OBE1-079 and 80 located on 1AAE .Welder is identified as 045268. ZPMC QC is identified as Wang Li Yang .The welding variables recorded by QC appeared to comply with WPS-B-P-2114-FCM-1.

SMAW welding in the 4F position of weld joints OBE1-087 and 88 located on 1AAE .Welder is identified as 050433. ZPMC QC is identified as Wang Li Yang .The welding variables recorded by QC appeared to comply with WPS-B-P-2114-FCM-1.

SMAW welding in the 3G position of weld joints OBW1-011 and 23 located on 1AAW .Welder is identified as 220066. ZPMC QC is identified as Feng Ya Jun .The welding variables recorded by QC appeared to comply with WPS-B-T-2233-Tc-U5-F.

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## WELDING INSPECTION REPORT

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SMAW welding in the 3G position of weld joints OBW1-239 and 063 located on 1AAW .Welder is identified as 220067. ZPMC QC is identified as Feng Ya Jun .The welding variables recorded by QC appeared to comply with WPS-B-T-2233-Tc-U5-F.

1AAE & 1AE

SMAW welding of various excavation areas on weld joint 001 located on OBE1(Y location-5090).Welder is identified as 058242. ZPMC QC is identified as Wang Li Yang .The welding variables recorded by QC appeared to comply with WPS-345-SMAW-1G (1F)-Repair-1 and repair procedure B-CWR814.

SMAW welding of various excavation areas on weld joint 003 located on OBE1A(Y location-3520).Welder is identified as 058242. ZPMC QC is identified as Wang Li Yang.The welding variables recorded by QC appeared to comply with WPS-345-SMAW-4G (4F)-Repair and repair procedure B-CWR815.

SMAW welding of various excavation areas on weld joint 003 located on OBE1A(Y location-3620).Welder is identified as 058242. ZPMC QC is identified as Wang Li Yang.The welding variables recorded by QC appeared to comply with WPS-345-SMAW-4G (4F)-Repair and repair procedure B-CWR815.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversations

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Bera,Subhasis	Quality Assurance Inspector
<b>Reviewed By:</b>	Whitehead,Lonnie	QA Reviewer

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